Attorney Docket No. WSP241US U.S. Patent Application No. 10/557,620

Official Action Dated March 13, 2009

Date: July 13, 2009

In the Claims

Please amend the claims as follows:

1-13 (canceled)

4

14. (withdrawn/amended) A method of sealing a soil based construction by injecting a

composition an additive composition comprising a polymeric methacrylamide into space within

the soil based construction wherein the composition comprises a mixture of soil and a polymeric

additive comprising polymeric methacrylamide, which additive in the composition opens a water

casing around soil grains, wherein 1m³ of soil contains up to 0.5% by volume of the additive.

15-26 (canceled)

27. (new) A means for flexible sealing of constructions comprising a mixture of soil and a

polymeric additive comprising polymeric methacrylamide, which additive opens a water casing

around soil grains, wherein 1m³ of soil contains up to 0.5% by volume of the additive.

28. (new) The means of claim 27 where the soil comprises argillaceous materials.

29. (new) The means of claim 27 where the soil comprises clay.

30. (new) The means of claim 27 where the soil contains between 0.01 % and 0.1% by

volume of the additive.

A means for sealing constructions according to claim 27 wherein the additive is a 31. (new)

polymeric methacrylamide.

4

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32 (new) The means of claim 27 wherein the additive contains saponified paraffins.

33. (new). The means of claim 29 wherein the soil contains a proportion of at least 10% by

weight clay.

34. (new) The means for sealing constructions according to claim 27 which further contains

between 15 kg and 25 kg of cement and/or lime per 1 m³ of soil which cement and/or lime in

turn contains 1% by weight to 10% by weight of the additive.

35. (new) The means for sealing constructions according to claim 27 wherein a proportion

of between 20% by weight and 50% by weight of water is added to the mixture to make it

capable of flow.

36. (new) A soil based construction comprising a flexible sealing means comprising a

mixture of soil and a polymeric additive comprising polymeric methacrylamide, which additive

opens a water casing around soil grains, wherein 1m³ of soil contains up to 0.5% by volume of

the additive..

37. (new) The construction of claim 36 where the soil in the means for sealing comprises

argillaceous materials.

38. (new) The construction of claim 36 where the soil in the means for sealing comprises

clay.

39. (new) The construction of claim 36 where the soil in the means for sealing contains

between 0.01 % and 0.1% by volume of the additive.

40. (new) The construction of claim 36 wherein the additive is a polymeric methacrylamide.

5

Attorney Docket No. WSP241US U.S. Patent Application No. 10/557,620 Official Action Dated March 13, 2009

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41. (new) The construction of claim 36 wherein the additive contains saponified paraffins.

42. (new) The construction of claim 36 wherein the soil in the means for sealing contains a

proportion of at least 10% by weight clay.

43. (new) The construction of claim 36 wherein the means for sealing further contains

between 15 kg and 25 kg of cement and/or lime per 1 m³ of soil which cement and/or lime in

turn contains 1% by weight to 10% by weight of the additive.

44. (new) The construction of claim 36 wherein a proportion of between 20% by weight and

50% by weight of water is in the means for sealing to make it capable of flow.

45. (new) The construction of claim 36 wherein the means for sealing has been injected into

the construction.

46. (new) The construction of claim 36 wherein the means for sealing is sprayed on its

surface.

4

The construction of claim 36 wherein holes bored into the construction have been 47. (new)

filled with the means for sealing.

48. (new) The construction of claim 47 wherein walls of the bore holes were supported with

a tube which has slots and soil was flushed out through the slots and the means for sealing was

pressed into the construction through the slots.

6